REMARKS

Claims 1-49 are in this application.

New claims 50-79 have been added.

Claims 1-79 are currently pending in this application.

New claims are added to define the methods of preparing a multilayer film on a substrate according to the present invention and to define the devices that employ the multilayer films according to the present invention.

The newly presented claims 50-56 are directed to a method of preparing a multilayer film on a substrate by using an isolated hydrazinium-based precursor of a metal chalcogenide and a solvent having therein a solubilizing additive to form a solution of a complex thereof.

The newly presented claims 57-64 are directed to a device wherein the active layer is a multilayer film prepared by a method using an isolated hydrazinium-based precursor of a metal chalcogenide and a solvent having therein a solubilizing additive to form a solution of a complex thereof.

The newly presented claims 65-71 are directed to a method of preparing a multilayer film on a substrate by using a hydrazinium-based precursor of a metal chalcogenide formed from either:

(i) a metal chalcogenide and a hydrazine compound; or

(ii) a metal chalcogenide and first an ammonium salt compound of an amine and thereafter a hydrazine compound, for producing the solution of a hydrazinium-based precursor of the metal chalcogenide.

The newly presented claims 72-79 are directed to a device wherein the active layer is a multilayer film prepared by a method which includes using a hydrazinium-based precursor of a metal chalcogenide formed from either:

(i) a metal chalcogenide and a hydrazine compound; or

(ii) a metal chalcogenide and first an ammonium salt compound of an amine and thereafter a hydrazine compound, for producing the solution of a hydrazinium-based precursor of the metal chalcogenide.

Support for the newly presented claims is found in Example 9, on page 51, line 13 to page 52, line 9, of the specification, and particularly, on p. 52, lines 1-5.

Further support for the new claims is found on page 1, lines 19-27, page 14, lines 15-25 and claims 1, 30, 42, 44, and 46.

Support for claims 64 and 79 reciting devices, such as, flat panel displays, non-linear optical devices, non-linear photo-conductive devices, chemical sensors, light-emitting diodes, thin-film transistors, field-effect transistors, media for optical data storage, phase change media for optical

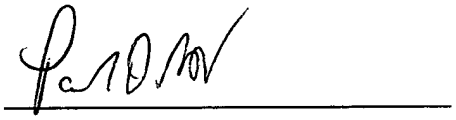
data storage, solar cells and thermoelectric devices, is found on p. 52, lines 1-5, page 1, lines 19-27, and page 14, lines 15-25.

Still further support for the newly presented claims is found throughout the specification and in the Examples.

No new matter has been introduced by the amendments.

Accordingly, examination of the pending claims an early indication of the allowability of all pending claims is earnestly solicited.

Respectfully submitted,

Date: November 9, 2004 By: 

Paul D. Greeley, Esq.
Registration No. 31,019
Attorney for Applicants
Ohlandt, Greeley, Ruggiero
& Perle, L.L.P.
One Landmark Square, 10th Floor
Stamford, CT 06901-2682
Tel: (203) 327-4500
Fax: (203) 327-6401